

Date: Fri, 30 Sep 94 11:12:25 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V94 #1077
To: Info-Hams

Info-Hams Digest Fri, 30 Sep 94 Volume 94 : Issue 1077

Today's Topics:

 2m handhelds ??
 Amateur radio on World Wide Web?
 ARLB075 FCC seeks actions
 ARLD059 DX news
 Expose - Wouff-Hong
 FCC forms wireless division
 Help w/Power Supply - Ple
 Need help with FT-530: half-duplex crossband operation
 PRB-1 IGNORED!!!
 Radio Schack HTX-202 (2 msgs)
 Shops in NYC and Boston?
 Why is aviation COM VHF *amplitude* modulated?
World Wide Web: Shortwave & Radio Catalog Issue #10 Now On-Line

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Thu, 29 Sep 94 01:21:24 -0500
From: agate!news.ucdavis.edu!library.ucla.edu!csulb.edu!nic-nac.CSU.net!
channel.ecst.csuchico.edu!yeshua.marcam.com!news.kei.com!uhog.mit.edu!
nntp.club.cc.cmu.edu!casaba.srv.@ihnp4.ucsd.edu
Subject: 2m handhelds ??
To: info-hams@ucsd.edu

Raymond L. Yoder <at732@cleveland.Freenet.Edu> writes:

> I am planning on purchasing a 2m handheld in the near future.

>I think it's down to three radios I'm looking at. The Icom IC-T21A,
>Icom IC-2GXAT, or the Kenwood TH-22AT. Does anybody have any comments
>or experiances (good and/or bad) that could help me make my decision.
>I have never owned a handheld or a 2m rig, so I'm new at this.

Ray:

I got the IC-2GXAT. I also have the IC-W21AT. Accessories fit both HT's.
There is a keyboard mod to open up RX from 118 to 179. I like Icom. The
T21A has 100 memories vs 2GXAT's 40, and I think it receives 70cm - a tease.
The 2GXAT is a great performer. I got it because I wanted a backup HT.

73 John KC7CKP

Date: 29 Sep 1994 04:46:08 GMT
From: harpo.cs.wisc.edu!timc@rsch.wisc.edu
Subject: Amateur radio on World Wide Web?
To: info-hams@ucsd.edu

mark@sj.hp.com (Mark Butterworth) writes:

>Kevin Jessup (kevin.jessup@mail.mei.com) wrote:
>: Are there any amateur radio related topics on World Wide Web?
>: On the other hand, if you use Mosaic and WWB, how much time
>: do you spend (waste?) on amateur radio anyway? ;-))
>: -----
>: /'-_ kevin.jessup@mail.mei.com |
>: { }/ Marquette Electronics, Inc | Time for another tea party!
>: \ / Milwaukee, Wisconsin, USA |
>: |__*| N9SQB, ARRL, Amateur Radio |
>: -----

Yes, along with the others, check out the University of Wisconsin-
Madison Badger Amateur Radio Society, W9YT page. We've got links
to a few other pages and some local stuff...

<http://www.cs.wisc.edu/~timc/w9yt/>

73-

Tim Czerwonka, W09U (timc@cs.wisc.edu)

Date: Thu, 29 Sep 1994 16:25:43 EDT

From: psinntp!arrl.org!usenet@uunet.uu.net
Subject: ARLB075 FCC seeks actions
To: info-hams@ucsd.edu

SB QST @ ARL \$ARLB075
ARLB075 FCC seeks actions

ZCZC AG40
QST de W1AW
ARRL Bulletin 75 ARLB075

Date: Thu, 29 Sep 1994 17:13:58 EDT
From: psinntp!arrl.org!usenet@uunet.uu.net
Subject: ARLD059 DX news
To: info-hams@ucsd.edu

SB DX @ ARL \$ARLD059
ARLD059 DX news

ZCZC AE57
QST de W1AW
DX Bulletin 59 ARLD059

Date: 29 Sep 1994 22:44:49 GMT
From: gatech!wa4mei!news@uunet.uu.net
Subject: Expose - Wouff-Hong
To: info-hams@ucsd.edu

In article <780866319snz@g8s.jp.demon.co.uk>, ip@g8s.jp.demon.co.uk (Iain Philipps) says:

>SO ... it would seem that those newsgroup participants who claim membership
>maybe ought to settle down :-)
>
>Iain Philipps

So maybe it never occurred to someone there might be a secret society
based on this instrument of torture. But then it is a secret society.

I'd say more, but it is not permitted.

73
Jim

Date: 30 Sep 94 14:40:50 GMT
From: news-mail-gateway@ucsd.edu
Subject: FCC forms wireless division
To: info-hams@ucsd.edu

>uhhh, not to seem inflamatory or anything but, wireless = without wires,
>and radio = is using a certain portions of the EM spectrum. Hence people
>do not normally consider Infra-red communacation or any such, 'radio'.
>jsteinhu@nyx.cs.du.edu

if infrared isn't in the EM spectrum, where should i look for it?

73, bill wb9ivr

Date: 28 Sep 94 23:00:40 -0500 CST
From: tulane!darwin.sura.net!CrystalData.COM!inferno.americon.fidonet.org!
Scott_Hamilton@ames.arpa
Subject: Help w/Power Supply - Ple
To: info-hams@ucsd.edu

Just pick up any power supply from any good electronics store.... make shure
it can give you at least 8 amps of draw. Tell the electronics store guy what
you are using it for and he'll give you good advice.

I'm here to fix any broadcast equipment...I love 3/4 inch tape machines!
Scott Hamilton,....DDthing
KE4OYX

Date: 29 Sep 1994 15:33:59 GMT
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!cs.utexas.edu!convex!
news.duke.edu!duke.edu!jbs@network.ucsd.edu
Subject: Need help with FT-530: half-duplex crossband operation
To: info-hams@ucsd.edu

In article <CwvI91.ACs@acsu.buffalo.edu> smernoff@acsu.buffalo.edu (David N. Smernoff) writes:
>>This weekend we were experimenting with crossband repeating and ran into some
>>difficulty with feedback when trying to use the HT transmitting on one band
>>and receiving on the other. With my DJ-580 you set FL (freq lock) and then
>>toggle full-duplex on/off for the active band by pushing the "Power" button.
>>Works great - with FD off no feedback when you transmit. My friend has an
>>FT-530 and nothing in the manual gives any clue about turning off full-duplex

>>operation.

>>

> When I tried to find out about this (after scouring the manual), I
>finally resorted to using the out of band receive feature to eliminate the
>feedback. IE, the repeater I wanted was on 44x.xxx, and I wanted to go in on a
>2m freq, say 146.xxx. I programmed the radio to receive on the 440 rpt output
>, but transmitted on the 2m freq. Only problem here, is that you can't hear
>the frequency you are transmitting on. Hope this helps.

I didn't know the 530 would let you split across bands on memory mode. This
is exactly what we need it to do, and we don't need to receive on the transmit
freq (we're not using the crossband repeat to boost up to a repeater; we're
using it as the repeater itself for areas that have no amateur repeater
coverage).

Thanks...

-joe

--

"When personal freedom's being abused,		"I have an open mind, about everything
you have to move to limit it."		it needs to be open about."

- U.S. President Bill Clinton, 1994		- George Greene	9/13/94
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Date: 29 Sep 1994 05:35:29 GMT

From: ihnp4.ucsd.edu!agate!news.ucdavis.edu!library.ucla.edu!csulb.edu!nic-
nac.CSU.net!usc!howland.reston.ans.net!usenet.ins.cwru.edu!cleveland.Freenet.Edu!
af255@network.ucsd.edu

Subject: PRB-1 IGNORED!!!

To: info-hams@ucsd.edu

I've lost track of the battle for our antennas since I won mine on
September 21, 1990. I didn't expect it to stop there or get better
just because of a victory in the 6th circuit. The ROCKY RIVER, OH
case is cited 748 f.supp.1241 . The second of three court orders
wasn't published but they were posted here in Oct. and Nov. of '90.

If you talk to a league volunteer counsel, they should already have a copy.
They should talk to you for free initially, but once you get to court
the meter is running, perhaps discounted, but still running. I've
read of a few cases which were settled out of court with expenses
partially recovered, not recovered or a court order granting some
recovery. There isn't much guarantee here. My recovery of \$14,091.05
was probably the result of "not receiving a fair hearing" rather than
PRB-1. I'm still out about two grand in the end.

None the less, talk to the league vol. counsel and read the mags for the results of other cases, especially the peacefull settlements and favorable legislation. They went ballistic in RR and tried to tighten up the code even more. The action they took here was denying the tower because of a neighbors protest. A most efficient way to burn over \$32,000 of your tax dollars (it cost them over \$18,000 plus what I recovered.

Drop me a line to tell me the whole story or where to find it all.

73, Jim wa8zhn

--

Jim MacMILLAN / Rocky River OH / WA8ZHN >>> PRB-WON!

Date: 29 Sep 1994 15:02:14 GMT
From: agate!howland.reston.ans.net!usc!elroy.jpl.nasa.gov!netline-fddi.jpl.nasa.gov!news.byu.edu!news.mtholyoke.edu!news.umass.edu!news2.near.net!info-server.bbn.com!news!levin@@ihnp4.ucsd.edu
Subject: Radio Schack HTX-202
To: info-hams@ucsd.edu

In article <940929015710881@drs.state.ct.us> alan.schulz@drs.state.ct.us (Alan Schulz) writes:

Does anyone know

Yes.

if the HTX-202 can be modified to get more memory
channels or any other modifications ?

No.

/JBL

=

Nets: levin@bbn.com		"There were sweetheart roses on Yancey Wilmerding's
POTS: (617)873-3463		bureau that morning. Wide-eyed and distraught, she
KD10N (@KB4N.NH.USA)		stood with all her faculties rooted to the floor."
		-- S. J. Perelman

Date: Wed, 28 Sep 1994 21:35:51 GMT
From: netcomsv!ctdrs!alan.schulz@decwrl.dec.com
Subject: Radio Schack HTX-202

Does anyone know if the HTX-202 can be modified to get more memory channels or any other modifications ?

In article <780839383snz@microvst.demon.co.uk> tgold@microvst.demon.co.uk ("Anthony R. Gold") writes:

I was just at Barry's a few days ago. They're still in the same place...

-/--Clay Irving-(N2VKG)
clay@panix.com
New York, New York

>I don't disagree with your main points, Alan, but I'd note that typical
>AM transmitters use Class C RF stages too. It's just that big plate
>modulator that makes them heavy and bulky. As you note, there are
>ways around that. FM rigs by constrast are simple and compact, basically
>a CW rig with a low level audio stage FMing the carrier oscillator.

some specs from my copy of Collins Pro Line II Comm/Nav/Pulse System
instruction book, 3rd edition 1st revision (1986..or so..but things shouldn't

have changed that much...)

Collins VHF-21()/22() VHF Comm:

size 3/8 ATR short dwarf

height 85.3 mm

width 95.3 mm

length 355.6 mm

weight 2 kg

power consumption

receive: 14 W (0.5 A @ 27.5 V dc)

transmit: 165 W (6.0 A @ 27.5 V dc)

transmitter

output 16 W minimum into 52 ohms resistive

modulation - 85% with less than 15% distortion; 95% limiting

modulator is an audio compressor, a comparator, and a switching amplifier with low-pass filtering of the output. output from the compressor is applied through a modulation depth control to the comparator where it's superimposed on the dc bias voltage supplied by the power control. the dc signal is compared to a 106.7 kHz triangle wave signal to make a 4.5 V p-p 106.7 kHz pulse-width modulated signal.

the output of the comparator goes to the switching amplifier and output is a 25 V p-p pulse-width modulated signal that's low-pass filtered resulting in an average modulated DC required by the RF power amplifiers.

the transmitter is a four-stage device. the driver collector receives power from the modulator and the +16 V power supply and the final amplifier gets all of its power from the modulator. looking at the schematic there's not much iron in the beast at all...

not too bad -- some iron in the collector rf chokes in the transmitter...

bill wb9ivr

Date: Thu, 29 Sep 1994 10:51:40 GMT

From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!news.sprintlink.net!

news.primenet.com!stat!david@network.ucsd.edu

Subject: World Wide Web: Shortwave & Radio Catalog Issue #10 Now On-Line

To: info-hams@ucsd.edu

ANNOUNCEMENT

Shortwave & Radio Catalog

Shortwave / Radio Hypertext Catalog on the World Wide Web (WWW)

AVAILABLE NOW
ISSUE #10
Now Split into 4 Pages!

A catalog of hypertext links to FTP, GOPHER, and WWW files and services for the Shortwave Listener and Radio enthusiast is now on-line. This issue includes links to broadcaster schedules, digital audio files, graphics, mediumwave, shortwave, FM, Ham Radio, FCC, and other files associated with radio.

IMPROVED HYPERTEXT FAQS

Ralph Brandi's FAQ material in hypertext form has been upgraded and is NOW available on this WWW server! In addition, over 100 hypertext links (and still growing) are listed. These include direct links to Shortwave, AM, and FM broadcasters, Solar reports and images, Free Radio Berkeley, audio files, ham radio info and much more. All these available with a click of your mouse via NCSA's Mosaic (return key for NCSA lynx users).

The URL to put in your hotlist/bookmark file:

<http://itre.uncecs.edu/radio/>

** WHAT'S NEW **

- o - Robert's Satellite WWW page (Satellite Radio)
- o - Bradley University Ham Radio (Shortwave)
- o - Direct link to BBC World Service (Shortwave)
- o - Links to Shortwave Radio ID audio tracks (Shortwave)
- o - A new World Radio Network WWW link (Satellite Radio)
- o - PRS Corporation SW Radio Simulator (Shortwave)
- o - VOA News and Communications World digital audio (Shortwave)
- o - KOL-Israel External Service schedule (Shortwave)
- o - Misc. Shortwave Schedules (Shortwave)
- o - E-mail Addresses of hams on the Internet (Shortwave)
- o - Radio Australia Schedules (Shortwave)
- o - Boston Amateur Radio Club Field Day WWW Page (Shortwave)
- o - Misc. corrections and updates

** MUF/LUF **

Maximum Usable Frequency, E-Cutoff a.k.a. Lowest Usable Frequency Charts

I have a WWW MUF/LUF tool based on "micromuf.bas" on-line! Fill out your location, transmitter location, and sun-spot info (links to solar info for the day, week and month available from the web page.) and an ASCII, WWW, or even a .GIF MUF/LUF propagation chart graphic file will be returned! Try out this interactive World Wide Web form.

Toward the Future

If you have a site or know of a site that maintains up-to-date information on radio topics, send me e-mail.

If your club would like to participate, (provide program schedules, club events, maintain files on individual broadcasters, etc.), send me e-mail.

If you are a radio broadcaster and have internet ftp files, gophers or WWW servers with program schedules, audio-on-demand files, or other information to share, send me e-mail.

I am also looking for UNIX software programs that could create propagation information in graphic form (GIF, JPEG, ???) that would be adapted to use WWW forms to send the graphic to the WWW user. If you know of a tool (read free program), send me e-mail.

My thanks to Jay Novello for providing his public access WWW server and to Ralph Brandi for providing the FAQ html files!

Pete Costello
pec@joker.att.com
WWW folk click here!

--

Peter Costello - pec@joker.att.com

All comments that have caused negative outcomes were either done under duress or when temporarily insane, so I'm not responsible for them (or this).

Add usual private and corporate disclaimers here: _____

Date: Thu, 29 Sep 1994 12:27:19 GMT

From: hearst.acc.Virginia.EDU!murdoch!brain.neuro.virginia.edu!esh6n@uunet.uu.net

To: info-hams@ucsd.edu

References <35vj0f\$nv9@news.aero.org>, <CwopyF.7F9@murdoch.acc.Virginia.EDU>, <367j7m\$7ba@news.aero.org>c.V

Reply-To : nedh@virginia.edu

Subject : Re: Restrictive Covenants: I can't have *any* antenna?

In article <367j7m\$7ba@news.aero.org>, Michael O'Brien <obrien@Aero.org> wrote:

>In article <CwopyF.7F9@murdoch.acc.Virginia.EDU>, esh6n@brain.neuro.virginia.edu (Ned Hamilton) writes:

>|> In article <35vj0f\$nv9@news.aero.org>, Michael O'Brien <obrien@Aero.org> wrote:

>|> >

>|> >Well, no. That's not why such covenants are places. That's the reason given,

>|> >but it's not the real reason. Developers place such restrictions on

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>|> >new developments because they cut deals with the local cable company. The
>|> >cable company agrees to wire the development for free if the developer agrees.
>|> >to put a no-antennas restriction in the covenants. It's done pretty
>|> >universally.
>|> >--
>|> >Mike O'Brien
>|> >obrien@aero.org
>|>
>|>
>|> This comment is baloney. I've developed hundreds of millions of $ worth
>|> of residential properties all over the country over the past 20 years
```

>This is the first time I've heard this stated by anyone. I've heard the
>counter-statement many times. In itself, this means nothing. Without
>intending an ad hominem attack, I will say that most developers around
>here are not exactly reliable sources of information about anything. The
>amounts of money involved are so large that truth is generally the last
>refuge of either side in any dispute. I see no reason, based on this
>posting, to change my opinion as to the origin of most restrictive
>antenna covenants.

Well, I can enlarge on the subject and in the whole truth. I have developed thousands of residential properties in Southern California from the Mexican border to San L. Obispo. I've never had any contact with any cable TV people!

Guess I'm missing out on some fantastic kickbacks!

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=====news=====
Ned Hamilton                                NTC                                Department of Neurosurgery
nedh@virginia.edu                          University of Virginia
=====

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Date: (null)
From: (null)
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Date: (null)
From: (null)
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